

AMENDMENTS TO THE SPECIFICATION:

Page 12, replace the paragraph beginning on line 17 with the following amended paragraph:

--FIG. 7 is a diagram illustrative of a variation in differential gain threshold current density of the laser device over the standard deviation  $[[\sigma_g]]$  of the  $E_g$  "microscopic fluctuation" of the band gap energy profile, ~~wherein the~~ differential gain is theoretically calculated for a single facet HR-coated laser device.--